



Kentucky Agricultural Statistics Service
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KENTUCKY WEEKLY CROP & WEATHER REPORT



Prepared in Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

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AGRICULTURAL NEWS: The first week of April started with a cold front that included scattered rain and some persistent wind. Average temperatures across the State were 2 degrees below normal at 49 degrees. Precipitation for the period totaled 1.01 inches statewide, which was normal. **Topsoil moisture** as of Friday, April 2 was rated 3 percent short, 78 percent adequate, and 19 percent surplus. **Subsoil moisture** was rated 6 percent short, 83 percent adequate, and 11 percent surplus. Days suitable for fieldwork averaged 2.9 out of a possible 7 days. Farmers were busy top-dressing winter wheat and many have started planting corn. Approximately 47 percent of plowing and field preparation for planting was reported as completed. Farmers also reported fixing fences and general repairs to machinery as current activities.

TOBACCO: Traditional plant beds and greenhouse tobacco transplants are ahead of schedule and well on their way towards seeding being completed. Plant bed and greenhouse seeding was 73 percent complete by Sunday, April 4. This was 5 percent ahead last year.

SMALL GRAINS & LEGUMES: A relatively mild winter helped keep Kentucky's winter wheat crop in mostly good to excellent condition. Producers reported 6 percent of the wheat lost due to winter kill. As of Sunday, April 4 winter wheat condition was 1 percent poor, 17 percent fair, 60 percent good, 22 percent excellent. Barley acreage lost to winter kill was reported at 2 percent. Barley was rated 1 percent poor, 14 percent fair, 50 percent good, and 35 percent excellent. Losses to alfalfa and red clover stands were 3 percent and 4 percent respectively.

PASTURE AND LIVESTOCK: Pasture condition was rated 1 percent very poor, 6 percent poor, 28 percent fair, 54 percent good, and 11 percent excellent. Only 36 percent of the current roughage requirements were being met from pastures. Some 73 percent of the state's farms with livestock were still using winter feed. Producers report that 40 percent of the winter hay supply was still on hand. Livestock were reported in good condition with little or no losses due to weather.

MARCH 1, 2004 PROSPECTIVE PLANTINGS-PLANTED ACRES. KENTUCKY & UNITED STATES

| CROPS | KENTUCKY | | | UNITED STATES | | |
|--------------------------|------------------|-----------|------------|------------------|-----------|------------|
| | 2003 | Ind. 2004 | 04 % of 03 | 2003 | Ind. 2004 | 04 % of 03 |
| | (Thousand Acres) | | Percent | (Thousand Acres) | | Percent |
| All Tobacco <u>1/</u> | 112.3 | 113.6 | 101 | 416.2 | 414.6 | 100 |
| Burley Tobacco <u>1/</u> | 104.0 | 105.0 | 101 | 156.2 | 157.2 | 101 |
| Corn | 1,170 | 1,190 | 102 | 78,736 | 79,004 | 100 |
| Soybeans | 1,250 | 1,250 | 100 | 73,404 | 75,411 | 103 |
| All Sorghum | 33 | 20 | 61 | 9,420 | 8,600 | 91 |
| All Wheat <u>2/</u> | 480 | 480 | 100 | 61,700 | 59,462 | 96 |
| All Hay <u>1/</u> | 2,450 | 2,350 | 96 | 63,342 | 63,731 | 101 |
| Barley <u>2/</u> | 9 | 9 | 100 | 5,299 | 4,683 | 88 |

1/ Harvested acreage. 2/ Includes acreage planted preceding fall.

KENTUCKY CROP PROGRESS

WEEK ENDING APRIL 4, 2004

WITH COMPARISONS

| Crop Stage | This Week | Previous Year | 5-Yr. Avg. | Previous Week KY | Previous Week U.S. |
|-------------|-----------|---------------|------------|------------------|--------------------|
| Percentage | | | | | |
| Tobacco | | | | | |
| Beds Seeded | 73 | 68 | NA | NA | NA |

(NA)Data Not Available.

SOIL MOISTURE

WEEK ENDING APRIL 2, 2004

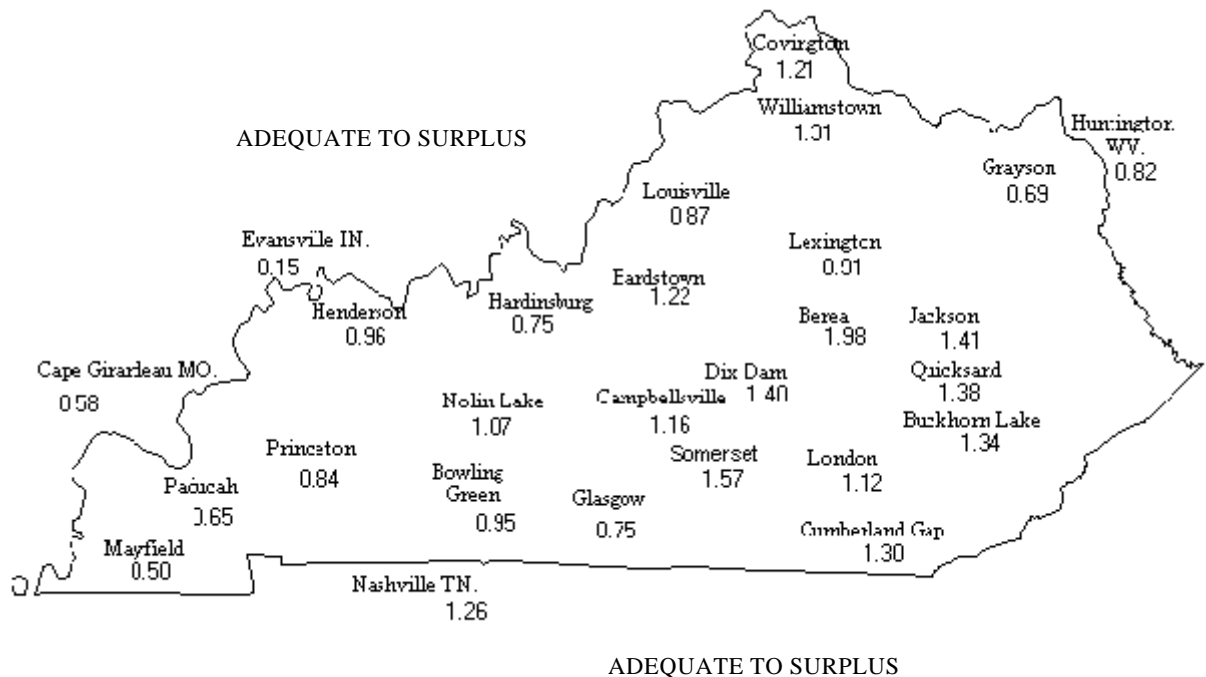
WITH COMPARISONS

| | This Week | Previous Week |
|----------------|-----------|---------------|
| Percentage | | |
| TOPSOIL | | |
| Very Short | 0 | NA |
| Short | 3 | NA |
| Adequate | 78 | NA |
| Surplus | 19 | NA |
| SUBSOIL | | |
| Very Short | 0 | NA |
| Short | 6 | NA |
| Adequate | 83 | NA |
| Surplus | 11 | NA |

KENTUCKY CROP CONDITIONS (Percent)

| WEEK ENDING APRIL 2, 2004 | | | | | | WEEK ENDING MARCH 26, 2004 | | | | |
|---------------------------|-----------|------|------|------|----------------|----------------------------|------|------|------|----------------|
| CROP | VERY POOR | POOR | FAIR | GOOD | EXCEL- LENT | VERY POOR | POOR | FAIR | GOOD | EXCEL- LENT |
| Wheat | 0 | 1 | 17 | 60 | 22 | No Survey Conducted | | | | |
| Barley | 0 | 1 | 14 | 50 | 35 | | | | | |
| Pasture | 1 | 6 | 28 | 54 | 11 | | | | | |

**PRECIPITATION MAP FOR WEEK ENDING SUNDAY, APRIL 4, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, APRIL 2, 2004**



KENTUCKY WEATHER SUMMARY, MARCH 29 - APRIL 4, 2004:

BELOW NORMAL TEMPERATURES AND AVERAGE PRECIPITATION:

The end of March and the beginning of April was a bit cool and wet. A cold front moved through on Monday bringing several days of cloudy skies and scattered rain showers as the upper level trough settled over the eastern United States. This trough also allowed for persistent northwest winds, which allowed cooler Canadian air to enter the region. This was evident as high temperatures were in the 40's and 50's for the majority of the week. The rain received was beneficial as rainfall amounts averaged across the State were normal for this time of year.

Temperatures for the period averaged 49 degrees across the State which was 2 degrees below normal and 7 degrees cooler than the previous week. High temperatures averaged from 59 in the West to 56 in the East. Departure from normal high temperatures ranged from 7 degrees below normal in the West to 4 degrees below normal in the East. Low temperatures averaged from 39 degrees in the West to 42 degrees in the East. Departure from normal low temperature ranged from 2 degrees below normal in the West to 3 degrees above normal in the East. Extreme highs were in the middle 70's. Extreme lows were in the lower 30's.

Precipitation (liq. equ.) for the period totaled 1.01 inches statewide which was 0.00 inches from normal. Precipitation totals by climate division, West 0.61 inches, Central 0.93 inches, Bluegrass 1.28 inches and East 1.20 inches, which was -0.48, -0.09, +0.32 and +0.26 inches respectively from normal. By station, precipitation totals ranged from a low of 0.50 inches at Mayfield to a high of 1.98 inches at Berea.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL

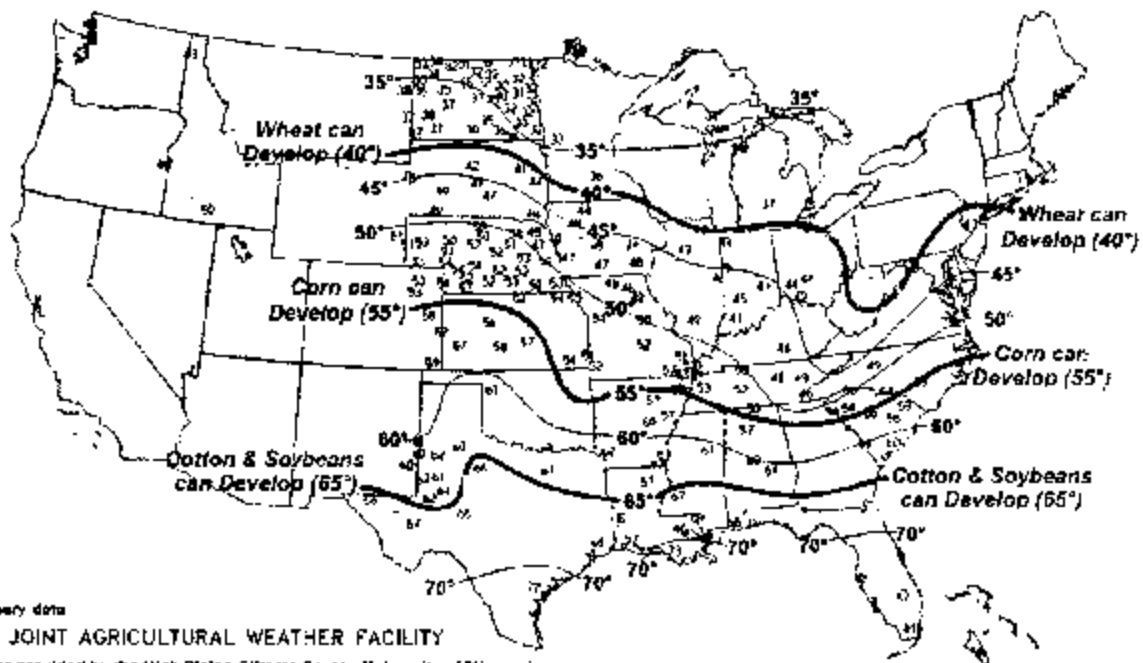
FOR WEEK ENDING SUNDAY, APRIL 4, 7:00 P.M.

| Weather Station | Precipitation | | Deviation From Normal Since Jan. 1 | Temperatures | | | | | Air Temp. |
|-----------------|---------------|-------------|------------------------------------|--------------|-----------|------|-----|-----------|-----------------------|
| | Last Week | Since Jan 1 | | Soil | | Air | | Wkly. Avg | Deviation From Normal |
| | | | | 4 In. High | Grass Low | High | Low | | |
| (Inches) | | | (Degrees Fahrenheit) | | | | | | |
| Bardstown | 1.22 | 9.01 | -1.98 | 57 | 50 | 74 | 34 | 49.4 | -2 |
| Berea | 1.98 | 13.29 | +2.67 | 62 | 49 | 74 | 34 | 50.0 | -0 |
| Bowling Green | 0.95 | 9.73 | -3.90 | -- | -- | 65 | 38 | 48.9 | -3 |
| Bristol | 1.43 | 10.78 | -0.03 | -- | -- | 75 | 39 | 48.6 | -2 |
| Buckhorn Lake | 1.34 | 12.14 | +0.17 | -- | -- | 78 | 35 | 47.7 | -2 |
| Cape Girardeau | 0.58 | 7.45 | -4.39 | -- | -- | 66 | 29 | 47.6 | -6 |
| Campbellsville | 1.16 | 11.30 | -1.86 | 55 | 48 | 79 | 35 | 51.1 | -1 |
| Covington | 1.21 | 8.69 | -1.33 | -- | -- | 62 | 34 | 45.9 | -4 |
| Cumberland Gap | 1.30 | 11.95 | -1.97 | 58 | 50 | 72 | 39 | 49.3 | -1 |
| Dix Dam | 1.40 | 10.61 | -0.67 | -- | -- | 69 | 34 | 49.1 | -1 |
| Evansville | 0.15 | 6.01 | -5.02 | -- | -- | 63 | 34 | 48.7 | -5 |
| Glasgow | 0.75 | 10.62 | -3.10 | 53 | 48 | 80 | 34 | 51.7 | +0 |
| Grayson | 0.69 | 9.98 | +0.34 | 58 | 50 | 76 | 37 | 49.3 | -1 |
| Hardinsburg | 0.75 | 10.87 | -1.67 | 60 | 51 | 64 | 34 | 47.4 | -4 |
| Henderson | 0.96 | 9.72 | -1.73 | 58 | 52 | 65 | 32 | 49.1 | -5 |
| Huntington | 0.82 | 10.02 | +0.43 | -- | -- | 79 | 38 | 49.8 | -0 |
| Jackson | 1.41 | 12.34 | +0.56 | -- | -- | 77 | 35 | 48.1 | -2 |
| Lexington | 0.91 | 9.24 | -1.75 | -- | -- | 61 | 34 | 47.5 | -3 |
| London | 1.12 | 12.12 | +0.10 | -- | -- | 78 | 35 | 49.3 | -1 |
| Louisville | 0.87 | 11.40 | +0.02 | -- | -- | 63 | 35 | 47.7 | -4 |
| Mayfield | 0.50 | 6.75 | -7.70 | 58 | 50 | 68 | 36 | 48.9 | -5 |
| Nashville | 1.26 | 14.20 | +1.36 | -- | -- | 66 | 40 | 50.6 | -1 |
| Nolin Lake | 1.07 | 10.61 | -2.01 | -- | -- | 65 | 36 | 48.4 | -3 |
| Paducah | 0.65 | 8.20 | -4.56 | 58 | 47 | 67 | 34 | 48.8 | -5 |
| Princeton | 0.84 | 10.94 | -2.87 | 61 | 50 | 68 | 33 | 49.8 | -4 |
| Quicksand | 1.38 | 12.17 | +0.39 | 62 | 50 | 79 | 35 | 47.1 | -3 |
| Somerset | 1.57 | 12.57 | -0.10 | 56 | 48 | 80 | 34 | 51.8 | +2 |
| Spindletop | 0.88 | 7.97 | -3.02 | 59 | 46 | 62 | 33 | 47.0 | -3 |
| Williamstown | 1.31 | 8.78 | -1.78 | 58 | 51 | 63 | 34 | 48.0 | -2 |

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

Average Soil Temperature (°F, 4" Bare)

MAR 21 - 27, 2004



Based on preliminary data

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

Supplemental data provided by the High Plains Climate Center, University of Missouri, Iowa State University, Alabama A&M University, and USDA/NRCS Soil Climate Analysis Network

This release and others can be viewed on the Internet at <http://www.nass.usda.gov/ky/> For a free E-Mail subscription of the Kentucky Weekly Crop & Weather report, on the Internet go to <http://www.nass.usda.gov/sub-form.htm> and follow the instructions.